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BRUHAT BENGALURU MAHANAGARA PALIKE (BBMP)

PROJECT:- DETAILED ESTIMATE FOR PROPOSED CONSTRUCTION OF OLD AGE HOME AND OTHER BUILDINGS IN JP PARK IN WARD NO 17 , RAJARAJESWARI NAGAR, BANGALORE.

FINAL ABSTRACT

I	PROJECTS		AMONT
A	PROPOSED CONSTRUCTION OF OLD AGE HOME		42,460,269.997
B	ADDITIONAL WORKS IN JP PARK (SCHOOL BUILDING)		3,760,890.003
	TOTAL		46,221,160.0
II	MISCELLANEOUS		
A	ADD CONSULTANCY CHARGES 2.5% OF EST COST		9,24,423.20 1,250,000.00
B	ADD TENDER PREMIUM @ 5 % OF EST COST		2,500,000.00
		4,96,45,583.20	49,971,160.00
	MISCELLANEOUS (ROUNDING OFF)	3,54,416.80	28,840.00
	GRAND TOTAL		50,000,000.00

RUPEES FIVE CRORE ONLY

TECHNICAL SANCTION

Rs. 50000000/- (Rs. Five crore only) is accorded under the head P-3494

By CE(R.R.N.) P. No. 4-5

Registered as C.T.S. R.N. No. 09/20-21 subject to conditions enclosed in enclosed memo No. 09/20-21 date. 15/05/2020

DTA, CE (R.R.N.)

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಆರ್.ಆರ್. ನಗರ ಯೋಜನೆ ಉಪ-ವಿಭಾಗ-01
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Executive Engineer (Project)
Bruhat Bangalore Mahanagar Palike
Rajarajeshwari Nagar Zone

Administrative approved for Rs. 500.00 lakhs
Rs. Five Crore only/-
is accorded
under the head P-3494 P-2003
By EE(P) RR/AS/12/19-20
Registered as C.T.S. R.N. No. 12 subject
to conditions enclosed in enclosed memo
No. 12/19-20 date. 13/02/2020

AE EE(P) RRN

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BRUHAT BENGALURU MAHANAGARA PALIKE (BBMP)

PROJECT:- DETAILED ESTIMATE FOR PROPOSED CONSTRUCTION OF OLD AGE HOME AND OTHER BUILDINGS IN JP PARK IN WARD NO 17 , RAJARAJESWARI NAGAR, BANGALORE.

DETAILED ABSTRACT FOR OTHER BUILDINGS IN JP PARK- SCHOOL BUILDING AT KALPANA ROAD, J P PARK.

Sl No	PARTICULARS		Total Cost in Rupees.
I	CIVIL WORKS		
a	Additional works in JP PARK School		3,760,886.02
			3,760,886.02
	Miscellaneous (Rounding off)		3.98
	GRAND TOTAL		3,760,890.00

RUPEES THIRTY SEVEN LAKH SIXTY THOUSAND EIGHT HUNDRED NINETY ONLY

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Executive Engineer (Project)
Bruhat Bangalore Mahanagar Palike
Rajarajeshwari Nagar Zone

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BRUHAT BENGALURU MAHANAGARA PALIKE (BBMP)

PROJECT:- DETAILED ESTIMATE FOR PROPOSED CONSTRUCTION OF OLD AGE HOME AND OTHER BUILDINGS IN JP PARK IN WARD NO 17 , RAJARAJESWARI NAGAR, BANGALORE.

DETAILED ABSTRACT FOR OLD AGE HOME

Sl No	PARTICULARS		Total Cost in Rupees.
I	CIVIL WORKS		
a.	Total Amount for Civil works		37,054,835.20
b	50,000.00 Ltr capacity Sump		739,860.00
d	Compound wall		1,644,403.72
II	ELECTRICAL WORKS		
a.	Internal Electrical works		1,669,777.88
III	PLUMBING & SANITARY WORKS		
a.	Total amount for Plumbing &Sanitary work		987,072.37
b.	Bore well		364,316.00
		Total	42,460,265.17
V	Miscelaneous		
			42,460,265.17
	Miscellaneous (Rounding off)		4.83
	GRAND TOTAL		42,460,270.00

RUPEES FOUR CRORE TWENTY FOUR LAKH SIXTY THOUSAND TWO HUNDRED SEVENTY ONLY

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Executive Engineer (Project)
Bruhat Bangalore Mahanagar Palike
Rajarajeshwari Nagar Zone

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BRUHAT BENGALURU MAHANAGARA PALIKE (BBMP)

CONSTRUCTION OF OLD AGE HOMES AND OTHER BUILDINGS IN JP PARK IN WARD NO 17 , RAJARAJESWARI NAGAR, BANGALORE.

B.O.Q for Main Building as per KPWD SR 2018-2019 - Bangalore Circle for civil works , KPWD -SR 2019 -2020 Bangalore circle for Electrical works

						Area Statement			
						Ground Floor		1,122.00	Sq mt
						Total		1,122.00	Sq mt
Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Civil works								
1	EARTH WORK								
	Earth work excavation for foundation of structures upto 3 mtrs by mechanical means as per drawing and technical specification, including setting out, providing shoring, strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required and utilising / transporting the remaining earth upto 1 00km in lead including cost of labour, materials and HOM etc ,complete - **do - In all types of soils**								
	(P.No.8, I.No.2.23.1 of PW,P & IWTD S.R 2018-19)	**Cum**							
	For surface excavation (Average depth)								
	For Size Stone Masonry		1	42.00	45.00	0.150	283.50		
	All Outer Length								
	For Open courtyard		1	155.00	0.90	0.750	104.63		
			1	44.00	0.90	0.750	29.70		
	Considered 90% of Total Qty						417.83		
							376.11	56.16	21,122.34
2	Earth work excavation for foundation of structures upto 3 mtrs by mechanical means as per drawing and technical specification, including setting out, providing shoring, strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required and utilising / transporting the remaining earth upto 100km lead including cost of labour, materials and HOM etc, complete - **do - Soft rock / Ordinary Rock (Without blasting)**								
	(P.No.8, I.No.2.23.2 of PW,P & IWTD S.R 2018-19)	**Cum**							
	Considered 10% of Total Qty						417.83		
						Say	41.79	73.44	3,069.06
3	KSRB 3.2. Providing and injecting chemical emulsion for Pre constructional **Anti-Termite Treatment**, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor,along the external perimeter of building,expansion joints,over the top surface of consolidated earth on which apron is to be laid,surrounding of pipes and conduits with chloropyriphos emulsifiable concentrates of 20% concentration,including cost of chemical,diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications.(Plinth area of the building at ground floor only shall be measured) Specification No.KBS 3.2.6 / 3.2.7								
	(P.No.10, I.No.3.2 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Plinth area		1	1105.00			1105.00		
							1105.00		
						Say	1105.00	114.48	126,500.40
4	KSRRB Cum00-53 : **Construction of embankment** with approved material **Gravel/Murrum** with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305								
	(P.No.147, I.No.19.60 of PW,P & IWTD S.R 2018-19)	**Cum**							
	Filling of murrum up to plinth bottom level								
	Plinth area		1	1105.00	-	0.600	663.00		
	Deduct Garden Area		1	-13.27	8.360	0.600	-66.54		
							596.46		
						Say	597.00	351.00	209,547.00
						TOTAL AMOUNT FOR EARTH WORK			360,238.80
	PCC & RCC WORK								
5	KSRB 4-1.3 Providing and laying in position **Plain Cement Concrete of Mix 1:4:8 with OPC cement** @ 180kgs, with 40mm & down size graded granite metal coarse aggregates @ 0.85 cum & fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in **foundation,** including cost of all materials, labour, HOM of machinery, curing complete as per specification No. KBS 4.1, 4.2								
	(P.No.13, I.No.4.3 of PW,P & IWTD S.R 2018-19)	**Cum**							
	Pile Cap		82	0.80	2.30	0.125	18.86		
	For Size Stone Masonry								
	All Outer Length		1	155.00	0.90	0.125	17.44		
	For Open courtyard		1	44.00	0.90	0.125	4.95		
	Bottom of Grade Beams		1	483.52	0.45	0.150	32.64		
	For Flooring								
	Ground Floor								

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Dormitory		4	10.50	6.00	0.100	25.20		
	TV Room		1	10.50	6.00	0.100	6.30		
	Library		1	10.50	6.00	0.100	6.30		
	Reciptuon		1	7.59	4.27	0.100	3.24		
	Office		1	2.515	3.115	0.100	0.78		
	Office Passage		1	3.575	2.10	0.100	0.75		
	Office Toilet		1	2.515	3.12	0.100	0.78		
	Clinic		1	4.705	3.175	0.100	1.49		
	Clinic Passage		1	2.590	1.880	0.100	0.49		
	Clinic Toilet		1	2.000	1.77	0.100	0.35		
	Warden Room		1	4.705	3.175	0.100	1.49		
	Warden Room Passage		1	2.590	1.85	0.100	0.48		
	Wardem Room Toilet		1	2.000	1.77	0.100	0.35		
	Dinning Hall		1	12.00	6.67	0.100	8.00		
	Serving counter		1	3.85	3.08	0.100	1.18		
	Kitchen		1	8.85	5.90	0.100	5.22		
	Storage		1	2.82	3.85	0.100	1.08		
	Utility		1	3.50	4.96	0.100	1.73		
	Utility Toilet		1	2.00	1.50	0.100	0.30		
	Toilets		4	6.935	3.115	0.100	8.64		
	Corridor Area		1	164.000	--	0.100	16.40		
	For Flagging concrete allaround Building (Area)		1	160.00	0.60	0.100	9.60		
							174.07		
						Say	174.10	5,583.06	972,010.75
6	KSRB 4-1.6 Providing and laying in position **Plain Cement Concrete of mix 1:2:4 with OPC cement** @ 240kgs, with 20mm & down size graded granite metal coarse aggregates @ 0.878 cum & fine aggregates @ 0.53 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in **foundation, plinth and Cills** including cost of all materials, labour, HOM of machinery, curing complete as per specification.								
	(P.No.13 I.No.4.6 of PW,P & IWTD S.R 2018-19)	**Cum**							
	Window Cills		44	2.10	0.23	0.100	2.13		
	Terrece Screed Concrete		1	1085.00	--	0.050	54.25		
	Deduct Garden Area		-1	13.26	8.36	0.075	-8.31		
	Terrace Parapet wall coping		1	200.00	0.23	0.100	4.60		
	For Flagging concrete allaround Building (Area)		1	160.00	0.60	0.050	8.00		
							60.66		
						Say	60.70	5,373.00	326,141.10
7	KSRRB 1100-2. **Driving cast-in-place vertical R.C.C. 500mm dia. piles** with OPC cement design mix **M30** @ **360 kgs, CA0.69M3, FA0.46 M3** with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.46 cum, with superplastisiser @ 3 lts conforming to **IS 9103-199 Reaffirmed-2008** excluding reinforcement as per drawings including cost of all materials, labour, HOM of machineries complete as per specifications.								
	(P.No.197, I.No.25.2.2 of PW,P & IWTD S.R 2018-19)	**Mtr**							
	PC1 average Depth of pile 8.0 mts		164	8.00	--	--	1312.00		
							1312.00		
						Say	1312.00	8,501.76	11,154,309.12
8	25.22 KSRRB M1100-10.1. Cement Concrete for **Reinforced Concrete in Pile Cap** per Drawing and Technical Specification complete as per specifications. C. RCC with OPC cement design **mix M30** @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008. Case-I: Using Concrete Mixer MORTH Specification No.1100, 1500 & 1700								
	(P.No.199, I.No.25.22 of PW,P & IWTD S.R 2018-19)	**Cum**							
	For Pile Cap		66	0.80	2.30	0.600	72.86		
	PC1		16	0.80	2.00	0.450	11.52		
							84.38		
						Say	84.40	6,269.40	529,137.36
9	KSRB 4.2.1 Providing & laying IN **POSITION REINFORCED CEMENT CONCRETE** of design mix **M25** with OPC cement @ 340 Kgs with down size graded granite metal coarse aggregates @ 0.70 Cum & fine aggregates @ 0.47 Cum with super plasticisers @ 3.0 Ltrs confirming to IS 9103-1999, re affirmed - 2008, **Maichine mixed,** concrete laid in layers not exeeceding 15cms thick, vibrated for all works in foundation ,Plinth,& Ground floor Level for Roof Slab, Staircase, Lintels, Retaining Wall, Pires, Abutments, Pillers, Posts, Struts, Butteress, String or Lasing Corsess, Prapects Copings, Bed Blocks, Anchor blocks, Plain windows cills, Fillets, etc including cost of all materials, laobur HOM of machinary, curing complete as per specification No. KBS 4.1, 4.6								
	(P.No.14, I.No.4.10 of PW,P & IWTD S.R 2018-19)	**Cum**							
	For Lintel 230 Wide walls								
	Doors		15	1.50	0.23	0.150	0.78		
	D1		2	1.20	0.23	0.150	0.08		
	D2								
	Windows & Ventilators		44	2.10	0.230	0.150	3.19		
	W								
	For Lintel 115 Wide walls - Through Lintels								

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Doors								
	D3		23	1.05	0.115	0.150	0.42		
	Staircase								
	Inclined Landing Beam		1	3.75	0.230	0.275	0.24		
	Landing		2	1.20	1.200	0.175	0.50		
	Steps	0.5	24	1.20	0.300	0.150	0.65		
	Waist Slab, Flight - I		1	3.00	1.200	0.175	0.63		
	Waist Slab, Flight - II		1	1.35	1.200	0.175	0.28		
	Waist Slab, Flight - III		1	2.70	1.200	0.175	0.57		
							7.33		
						Say	**7.40**	**6,414.66**	**47,468.48**
10	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of **Ready Mixed Concrete for RCC works** laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc , complete (exclusive of cost of steel and fabrication charges)								
	Ready mixed Cement concrete for Beams, Staircase and Roof with M-30								
	(P.No.19, I.No.4.49.2 of PW,P & IWTD S.R 2018-19)	**Cum**							
	Ground Floor columns above Plinth Beams								
	Column C1-[230X230]		10	0.23	0.230	3.450	1.83		
	Column C2 - [230X450]		44	0.23	0.450	3.450	15.71		
	Column C3 - [230X600]		29	0.23	0.600	3.450	13.81		
	Column C4 Dia (300)	**87**	4	0.07	--	3.450	0.97		
	For Grade Beam								
	Beam GB-[300X380]								
	Horizontal Total Length		1	40.97	0.30	0.380	4.67		
	Vertical Total Length		1	51.31	0.30	0.380	5.85		
	Beam GB-[380X450]								
	Horizontal Total Length		1	271.24	0.38	0.450	46.38		
	Vertical Total Length		1	319.00	0.38	0.450	54.55		
	For Roof Beam								
	Beam B-[230X450]								
	Horizontal Total Length		1	275.00	0.23	0.300	18.98		
	Vertical Total Length		1	198.00	0.23	0.300	13.66		
	Beam B-[230X600]								
	Horizontal Total Length		1	32.00	0.23	0.450	3.31		
	Vertical Total Length		1	173.00	0.23	0.450	17.91		
	Ground Floor Roof Slab								
	Total Area of Slab		1	1166.00	--	0.150	174.90		
	Deduct Garden Area		1	-13.259	8.36	0.150	-18.63		
							355.90		
						Say	**355.90**	**6,191.64**	**2,203,604.68**
11	KSRB 4.2.11 : Providing and laying in position reinforced cement coenrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, @ 0.391 Cum with super super plasticisers @ 0.225 Ltrs machine mixed well compacted **Plain Chajja 8.50 Cms** avg thickness, up to ground floor level including removing centering, shuttering, strutting, propping etc., and removal of form work for cost of all materials, laobur HOM of machinary, curing complete as per specification. Specification No. KBS 4.1, 4.6								
	(P.No.15, I.No.4.20 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Ground Floor								
	Windows		26	2.10	0.60	--	32.76		
	W1								
	Ventilators		4	3.12	0.60	--	7.48		
	V1						40.24		
						Say	**41.00**	**484.92**	**19,881.72**
12	Providing **Lath Plaster** with cement mortor 1:3, 5 Cm thick with 6 mm dia mild steel bars @ 20 cm c/c both horizontally & Vertically fixed Chicken Mesh for drop chejja , facia, Backing to cupboard including cost of all materials, labour, providing & removing form work H O M of Machinery , curing, complete as per specifications.								
	(P.No.15, I.No.4.27 of PW,P & IWTD S.R 2018-19)	**Sqm**	1	50.00	--	1.000	50.00		
	Lathen plaster area					Say	**50.00**	**1,157.76**	**57,888.00**
	TOTAL AMOUNT FOR PCC & RCC WORK								**15,310,441.21**
	SHUTTERING WORK								
12	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **Foundations, footings ,** bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.28 of PW,P & IWTD S.R 2018-19)	**Sqm**							

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	For Pile Cap								
	D-1								
			66	0.20		0.600	245.52		
							245.52		
						Say	245.60	278.64	68,433.98
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides & soffits of **Beams**, beam haunchings, cantilever girders, **Staircases** & **Lintels** & not exceeding 4.0 m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.17, I.No.4.34 of PW,P & IWTD S.R 2018-19)	Sqm							
	Ground Floor								
	For Grade Beam								
	Beam GB-[300X380]								
	Horizontal Total Length	2	1	40.970	--	0.380	31.14		
	Vertical Total Length	2	1	51.310	--	0.380	39.00		
	Beam GB-[380X450]								
	Horizontal Total Length	2	1	271.240	--	0.450	244.12		
	Vertical Total Length	2	1	319.000	--	0.450	287.10		
	Lintel Beam Shuttering								
	For Lintel 230 Wide walls								
	Doors								
	D1	2	15	1.50	--	0.150	6.75		
	Base	1	15	1.50	0.23	--	5.18		
	D2	2	2	1.20	--	0.150	0.72		
	Base	1	2	1.20	0.23	0.150	0.55		
	Windows & Ventilators								
	W	2	44	2.10	--	0.150	27.72		
	Base	1	44	2.10	0.23	--	21.25		
	For Roof Beam								
	Beam B-[230X450]								
	Horizontal Total Length	2	1	275.00	--	0.300	165.00		
	Base	1	1	275.00	0.23	--	63.25		
	Vertical Total Length	2	1	198.00	--	0.300	118.80		
	Base	1	1	198.00	0.23	--	45.54		
	Beam B-[230X600]								
	Horizontal Total Length	2	1	32.00	--	0.450	28.80		
	Base	1	1	32.00	0.23	--	7.36		
	Vertical Total Length	2	1	173.00	--	0.450	155.70		
	Base	1	1	173.00	0.23	--	39.79		
							1287.76		
						Say	1287.80	315.36	406,120.61
14	Providing and removing centering, shuttering, strutting, propping etc., for **Columns**, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.32 of PW,P & IWTD S.R 2018-19)	Sqm							
	Ground Floor columns above Plinth Beams								
	Column C1-[230X230]		10	0.920	--	3.450	31.74		
	Column C2 - [230X450]		44	1.360	--	3.450	206.45		
	Column C3 - [230X600]		29	1.660	--	3.450	166.08		
	Column C4 Dia (300)		4	0.940	--		12.97		
							417.24		
						Say	417.20	492.48	205,462.66
15	Providing and removing **centering, shuttering,** strutting, propping etc., and removal of form work **for Flat Surface** such as suspended floors, **roofs, landings, balconies** and like, thickness upto 200 mm including cost of all materials, labour complete as per specifications.**More than 3.50 Mtr From Ground level.** Specification No. KBS 4.6.3								
	- do - 0-to 5 mts	Sqm							
	(P.No.16, I.No.4.29.2 of KPWD S.R 2018-19)								
	Ground Floor Roof Slab		1	1166.00	--	--	1166.00		
	Total Area of Slab		2	1.20	1.20	--	2.88		
	Landing Slab		1	-13.26	8.36	--	-110.85		
	Deduct Garden Area						1058.03		
						Say	1058.00	432.00	457,056.00
16	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., **for edges of slabs** and breaks in floor including cost of all materials, labour complete as per specifications.								
	(P.No.17, I.No.4.36 of PW,P & IWTD S.R 2018-19)	Sqm							
	For Ground Floor Roof								
	Total Beam Sides of the Building all around		1	221.00	--	0.175	38.68		
	Open Courtyard Cut Out (Garden)		1	52.51	--	0.175	9.19		
							47.86		

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
						Say	47.90	815.40	39,057.66
17	Providing and removing centring, shuttering, strutting, propping etc., and removal of form work for **Stairs (excluding landing) Except Spiral Staircase** including cost of all materials,labour complete as per specification and directed by the Engineer in Charge.								
	(P.No.17, I No.4.38 of PW,P & IWTD S.R 2018-19)	Sqm							
	Basement Floor to Ground Floor								
	Stair case								
	Inclined Landing Beam		2	3.75	--	0.275	2.06		
	Base		1	3.75	0.23	-	0.86		
	Steps		24	1.20	--	0.200	5.76		
	Sides		2	10.65	0.30	--	6.39		
	Waist Slab, Flight - I		1	3.00	1.20	--	3.60		
	Waist Slab, Flight - II		1	1.35	1.20	--	1.62		
	Waist Slab, Flight - III		1	2.70	1.20	--	3.24		
							23.54		
						Say	23.60	561.60	13,253.76
18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **Columns,** pillars,post and struts, **Circular or Curved in Plan** including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.16, I No 4.33 of PW,P & IWTD S.R 2018-19)	Sqm							
	Portico Column - 300 Dia- 2*3.14* r		4	0.94	--	3.450	13.00		
	(2*3.14*0.150)								
						Say	13.00	986.04	12,818.13
19	Providing and **removing centering,** shuttering, strutting, propping etc., for **Chajjas,** corbels of all shapes & sizes, at all elevations & heights.								
	(P.No.17, I.No.4.37 of PW,P & IWTD S.R 2018-19)	Sqm							
	Ground Floor								
	Windows								
	W1		26	2.10	0.60	--	32.76		
	Ventilators								
	V1		4	3.12	0.60	--	7.48		
							40.24		
						Say	40.30	348.84	14,058.25
20	Extra For providing throating or **Drip moulding to RCC chajjas** with plastreing(labour charges only), as perspecification								
	(P.No.15, I.No.4.21 of PW,P & IWTD S.R 2018-19)	M							
	Ground Floor								
	Windows		26	3.30	--	--	85.80		
	W1								
	Ventilators		4	3.12	--	--	12.46		
	V1					TOTAL	98.26		
						Say	99.00	35.64	3,528.36
				TOTAL AMOUNT FOR SHUTTERING WORK					1,219,789.41
	REINFORCEMENT WORK								
21	Providing **TMT Steel reinforcement** for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. **FOR TMT Bars Fe- 500** Specification No.KBS 4.6.3.								
	(P.No.18 I.No.4.46.2 & 4.47 of KPWD S.R 2018-19)	Tonne							
	Ground Floor			32.32	--	200.000	6463.51		
	For Columns **200 Kg/Cum**			111.45	--	150.000	16717.64		
	For Grade Beams **150 Kg/Cum**			7.333	--	150.000	1099.97		
	For Lintel & Stair Case **150 Kg/Cum**			53.85	--	200.000	10770.90		
	For Roof Beams200 **Kg/Cum**			158.27	--	60.000	9496.39		
	For Roof Slabs 60**Kg/Cum**						200.00		
	Miscelaneous works						44748.41		
							44.75		
						Say	44.80	76,643.28	3,433,618.94
22	KSRRB M1100-13. Providing and Placing un-coated TMT steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position of lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (Flats, hooks & wastage shall not be measured and paid) including cost of materials, labours, HOM complete as per specifications.MORTH Specification No.1600 & 2200.								
	(P.No.200 I.No.25.27.2 of KPWD S.R 2018-19)	Tonne							
	For Piles & pile cap			389.66	--	100.000	38965.50		
	For Piles 100 **Kg/Cum**						**38965.50**		

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Sl No	Description of work	Unit	No.	Dimensions L	B	D	Quantity	Rate as Rs.	Amount as Rs.
						Say	36.97	73,445.00	2,865,668.40
	MASONARY WORK			TOTAL AMOUNT FOR REINFORCEMENT WORK					6,299,207.35
23	KSBR 5.1.1 : Providing and constructing **granite / step / kandi stair risers masonary** in basement with cement mortar 1:6, ridges of risers chisle dressed to rectangular not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KSR 5.1.15								
	(P.No.29, 1.No.5.1 of PW_F & TR (1) 1.R 2018-19)	Cum							
	do - with cement mortar 1:6								
	For Ground Floor								
	Under For Plinth beams and other works								
	External Wall								
	1 Course								
	12 Courses		1	100.0	0.30	0.600	18.00		
	Lintel / sunt yard (Garden)		1	100.0	0.45	0.450	13.50		
			1	44.00	0.45	0.300	5.94		
							37.44		
						Say	105.00	3,955.64	415,372.00
24	Providing **Rock pointing** to square rubble, coursed or uncoursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely being, including cost of materials, labour, OH &t curing complete as per specifications.								
	(P.No.110, 1.No.15.1 of PW_F & TR (1) 1.R 2018-19)	Sqmt							
	Do - Cement Mortar 1:3								
	For GF								
	For Exposed surface								
	Under Pipe		1	47.0		1.150	106.05		
	Cover Pipe		1	53.0		0.600	31.80		
							126.45		
						Say	126.00	152.28	19,263.00
25	Providing and constructing **Coarse Brick Masonary** with approved quality of modular bricks of standard size of class designation 5.0 newtons per sq mm (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2								
	(P.No.30, 1.No.6.17 of KPWD 1.R 2018-19)	Cum							
	Ground Floor								
	Outermost walls Total Length		1	199.40	0.23	3.150	144.38		
	Central walls Total Length		1	149.40	0.23	3.150	107.19		
	Corridor Wall At Garden Area		1	44.40	0.23	0.900	9.11		
						Total	261.23		
	Deductions								
	Deduction For Doors								
	Entrance Lobby Door		1	2.10	0.23	2.400	1.16		
	D1		15	1.20	0.23	2.400	7.94		
	D2		2	1.20	0.23	2.100	0.87		
	Windows & Ventilators								
	W		44	1.80	0.23	1.500	27.32		
	V		26	0.75	0.23	0.600	2.69		
	Glass Door at Opening 15x8		1	2.40	0.23	3.150	1.68		
	Corridor Wall Opening		1	2.40	0.23	0.900	0.43		
						Total Deduction	44.28		
						Grand Total	216.96		
						Say	217.00	7452.74	1617345.12
	Terrace Floor								
	Parapet Wall		1	107.00	0.23	1.800	42.25		
	Outlet Opening		1	1.80	0.23	1.100	-0.58		
						Total	41.67		
						Say	41.90	7517.54	314985.03
26	KSBR 6-7 : Construction of partition wall 11.2 cms thick with non modular ground moulded burnt bricks of class designation with cement mortar 1:4 including providing and fixing plaster mesh manufactured out of hot dipped galvanised iron of nominal thickness 0.35 mm. 500 mm. wide at per I.S. 2252/1991 at 7.5 m. c/c including cost of materials, labour charges, scaffolding, curing complete as per specifications.Specification No. KBS 6.2 **KSBR 6-7.2 : - do - with bricks of class designation 5.0 Newton per sqm**								
	(P.No.30, 1.No.6.24 of KPWD 1.R 2018-19)	Sqm							
	Ground Floor								
	Partition walls - Horizontal		1	26.00	--	2.200	57.20		
	Partition walls - Vertical		1	54.00	--	2.200	118.80		
							176.00		
	Deductions								
	Doors		23	0.75	--	2.100	36.23		
	D3		4	0.75	--	2.200	6.60		
	Opening in Toilet		4	0.75	--	0.600	1.80		
	V						44.63		
						Grand Total	131.38		

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
						Say	132.00	997.29	131642.76
									2704907.91
	PLASTERING & FINESHING WORK								
27	Providing **18mm thick cement plaster** in single coat with cement **mortar 1:3** to Brick masonry including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.**External Plastering**								
	(P.No.116, I.No.15.15 of PW,P & IWTD S.R 2018-19)	Sqm							
	Ground Floor								
	Total outer Perimeter								
	Corridor Wall		1	166.00	--	3.600	597.60		
	Chejjas		1	110.00	--	1.950	214.50		
	W1								
	V1	2	26	2.10	0.60	--	65.52		
		2	4	3.12	0.60	--	14.95		
						Total	892.57		
	Half Deductions at Corridor above 1.5 Lvl (External Plastering)								
	D1								
	D2	0.5	9	1.20	--	0.600	3.24		
	W	0.5	2	0.90	--	0.600	0.54		
	O1(Openings at Reception and Dinning)	0.5	15	1.80	--	0.600	8.10		
		0.5	2	2.10	--	1.950	4.10		
	Doors								
	Entrance Door (Front Portion full)	0.5	1	8.05	--	3.150	12.68		
	D1	0.5	7	1.20	--	0.900	3.78		
	Glass Door at Dinning	0.5	1	2.60	--	1.950	2.54		
	Windows & Ventilators								
	W1	0.5	29	1.80	--	1.500	39.15		
	V1	0.5	22	0.75	--	0.750	6.19		
						Total	80.31		
						Grand Total	812.27		
						Say	813.00	301.32	244973.16
	Terrace Floor								
	Parapet Wall		2	167.00	--	1.100	367.40		
	Top Surface of Parapet Wall		1	167.00	--	0.230	38.41		
							405.81		
						Say	406.00	314.28	127597.68
28	Providing **15mm thick cement plaster** in single coat with cement mortor **1:3, to brick masonry** including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(**internal)**								
	Providing floating coat of cement plastering finishing smooth including cost of materials, labour, curing complete as per specifications								
	(P.No.115 & 117 I.No.15.13 &15.32 of KPWD S.R 2018-19)	Sqm							
	Ground Floor								
	Dormitory		4	33.00	--	3.450	455.40		
	TV Room		1	33.00	--	3.450	113.85		
	Library		1	33.00	--	3.450	113.85		
	Reception		1	23.72	--	3.450	81.83		
	Office		1	11.26	--	3.450	38.85		
	Office Passage		1	11.35	--	3.450	39.16		
	Office Toilet (WC)		2	4.80		3.450	33.12		
	Office Toilet Passage		1	8.63	--	3.450	29.77		
	Clinic		1	19.50	--	3.450	67.28		
	Clinic Toilet		1	7.54	--	3.450	26.01		
	Warden Room		1	15.76	--	3.450	54.37		
	Warden Room Passage		1	6.23	--	3.450	21.49		
	Wardem Room Toilet		1	7.54	--	3.450	26.01		
	Dinning Hall		1	37.34	--	3.450	128.82		
	Serving counter		1	13.85	--	3.450	47.78		
	Kitchen		1	29.49	--	3.450	101.74		
	Storage		1	13.33	--	3.450	45.99		
	Utility		1	16.91	--	3.450	58.34		
	Utility Toilet		1	7.00	--	3.450	24.15		
	Dormitory Toilets								
	Bath		8	7.00	--	3.450	193.20		
	WC		12	5.40	--	3.450	223.56		
	Corridor Portion		4	11.00	--	3.450	151.80		
	Wash Basin Area		4	9.09	--	3.450	125.44		
						Total	2201.82		
	Deductions								
	Half Deductions								
	Doors								
	Entrance Door	0.5	1	2.10	--	2.400	2.52		

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	D1	0.5	7	1.20	--	2.100	8.82		
	D2	0.5	2	0.90	--	2.100	1.89		
	Glass Door at Dinning	0.5	1	2.60	--	1.950	2.54		
	Windows & Ventilators								
	W1	0.5	29	1.80	--	1.500	39.15		
	V1	0.5	22	0.75	--	0.750	6.19		
	O1(Openings at Reception and Dinning)	0.5	2	2.10	--	3.450	7.25		
	Full Deductions								
	Doors								
	D1	1	7	1.20	--	2.400	20.16		
	D3	1	25	0.90	--	2.100	47.25		
	Windows and Ventilators								
	W1	1	1	2.00	--	2.100	4.20		
	V1	1	4	0.75	--	0.750	2.25		
	O1	1	1	2.10	--	3.150	6.62		
	Deduct Rough Plastering Qty						718.69		
					TOTAL		867.51		
					GRAND TOTAL		1334.31		
						Say	**1334.40**	**261.63**	**349119.07**
29	Providing **12mm thick cement plaster in single coat** with cement mortor 1:3, to **ceiling** including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	Providing floating coat of cement to plastering finishing smooth including cost of materials, labour, curing complete as per specifications								
	(P.No. 116 & 117, I.No.15.21 & 15.32 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Ground Floor								
	Dormitory		4	10.50	6.00	--	252.00		
	TV Room		1	10.50	6.00	--	63.00		
	Library		1	10.50	6.00	--	63.00		
	Reception		1	7.59	4.27	--	32.41		
	Office		1	2.52	3.12	--	7.83		
	Office Passage		1	3.58	2.10	--	7.51		
	Office Toilet		1	2.52	3.12	--	7.83		
	Clinic		1	4.71	3.18	--	14.94		
	Clinic Passage		1	2.59	1.88	--	4.87		
	Clinic Toilet		1	2.00	1.77	--	3.54		
	Warden Room		1	4.71	3.18	--	14.94		
	Warden Room Passage		1	2.59	1.85	--	4.79		
	Wardem Room Toilet		1	2.00	1.77	--	3.54		
	Dinning Hall		1	12.00	6.67	--	80.04		
	Serving counter		1	3.85	3.08	--	11.84		
	Kitchen		1	8.85	5.90	--	52.19		
	Storage		1	2.82	3.85	--	10.84		
	Utility		1	3.50	4.96	--	17.34		
	Utility Toilet		1	2.00	1.50	--	3.00		
	Toilets		4	6.94	3.12	--	86.41		
	Corridor Area		1	164.00	--	--	164.00		
							905.87		
						0.250	226.47		
	Extra For beam sides -25%				GRAND TOTAL		**1132.33**		
						Say	**1133.00**	**276.95**	**313787.18**
30	Providing **rough cement plastering 15 mm thick** in single coat with cement mortor 1:6, to brick masanary for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	(P.No. 117, I.No.15.30 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Ground Floor		1	8.05	--	3.150	25.36		
	Front Elevation		1	23.72	--	1.500	35.58		
	Reception		1	11.35	--	1.500	17.03		
	Office Passage		2	4.80	--	2.100	20.16		
	Office Toilet (WC)		1	8.63	--	2.100	18.12		
	Office Toilet Passage		1	19.50	--	1.500	29.25		
	Clinic		1	7.54	--	2.100	15.83		
	Clinic Toilet		1	7.54	--	2.100	15.83		
	Wardem Room Toilet		1	37.34	--	1.500	56.01		
	Dinning Hall		1	13.85	--	1.500	20.78		
	Serving counter		1	29.49	--	1.500	44.24		
	Kitchen		1	13.33	--	1.500	20.00		
	Storage		1	16.91	--	1.500	25.37		
	Utility								

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Utility Toilet								
	Dormitory Toilets		1	7.00	--	2.100	14.70		
	Bath								
	WC		8	7.00	--	2.100	117.60		
	Corridor Portion		12	5.40	--	2.100	136.08		
	Wash Basin Area		4	11.00	--	2.100	92.40		
	Entrance		4	9.09	--	2.100	76.36		
			1	8.05	--	2.100	16.91		
	Corridor Wall up to 1.5mtr Lvl		1	110.00	--	1.500	165.00		
					Total		962.58		
	Deductions								
	Front Opening (Deduct For Wall Cladding)								
	Entance Door	0.5	1	2.10	--	2.400	2.52		
	Windows	0.5	2	1.80	--	1.500	2.70		
	Half Deductions at Corridor Up to 1.5mtr Lvl (External Plastering)								
	D1	0.5	9	1.20	--	1.500	8.10		
	D2	0.5	2	0.90	--	1.500	1.35		
	W	0.5	15	1.80	--	0.600	8.10		
	Half Deductions In Internal Plastering								
	Entance Door	0.5	1	2.10	--	2.100	2.21		
	D1	0.5	4	1.20	--	2.100	5.04		
	W	0.5	6	1.80	--	1.500	8.10		
	V	0.5	21	0.75	--	0.750	5.91		
	Full Deductions In Internal Plastering								
	D1	1	3	1.20	--	2.100	7.56		
	D2	1	1	0.90	--	2.100	1.89		
	D3	1	25	0.75	--	2.100	39.38		
	O1	1	2	2.10	--	2.100	8.82		
					Total Deduction		101.67		
					Grand Total		860.92		
						Say	861.00	223.93	192804.81
31	KSRB 15.8.2 Providing and fixing **plaster mesh 150mm** wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment)								
	(P.No.117, I.No.15.35 of KPWD S.R 2018-19)	**m**							
	Plaster Mesh 150 mm wide		1	200.00			200.00	33.48	6,696.00
	(P.No.117, I No 15.36 of KPWD S.R 2018-19)								
	Plaster Mesh 200 mm wide		1	200.00			200.00	38.88	7,776.00
32	Providing & applying **Two coats of wall putty** to inside plasterd walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of materials , cost of labour and scaffolding etc complete as per specifications.								
	(P.No.128, I.No.15.106 of PW,P & IWTD S.R 2018-19)								
	Same as internal & Ceiling Plastering qty wide item no 40 & 41)-	**Sqm**							
	Ground Floor								
	Ceiling		1	1133.00	--	--	1133.00		
	Walls		1	1334.40	--	--	1334.40		
							2467.40		
						Say	2468.00	84.24	207,904.32
33	Providing & applying Painting in in two coats with **plastic emulsion paint** of approved brand on wall surface to give an even approved shade after thouroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications with a) Primer (Internal)								
	(P.No.119, I.No.15.51.2 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Ground Floor								
	Walls		1	1334.40	--	--	1334.40		
						Say	1334.40	97.20	129,703.68
34	Providing & applying Painting in in two coats with **plastic emulsion paint** of approved brand on wall surface to give an even approved shade after thouroughly brushing the surface free from mortar drops and other forign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications with a) Primer c) Extra over item 15.51.1 for Painting two cats with plastic emulsion paint of approved brand and shade on **ceiling or sloping roof as per specifications**								
	(P.No.119, I.No.15.51.2 & 15.51.3 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Same as internal & wide item no 13								
	Ground Floor								

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Ceiling						1133.00		
			1	1133.00	--		1133.00		
						Say	1133.00	102.60	116,245.80
35	Providing & finishing external walls in two coats over one coat of 100 "**acrylic silicon glazed primer with Antifungal paint for top coat** of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and and other foreign matter , cost of materials , labour, complete as per specifications								
	(P.No 127, I No 15.104 of PW,P & IWTD S R 2018-19)	**Sqm**							
	Ground Floor						813.00		
	Terrace Floor						406.00		
							1219.00		
						Say	1219.00	194.40	236,973.60
36	Providing Melamine polishing of approved shade including removing and refixing of doors shutters scraping with blade and rubbing with zero size sand paper and applying sealer coat by way of spraying with necessary compressor and applying putty after rubbing with steel wool including two coats of approved shade of Melamine polish etc , complete.								
	(P.No 126, I No. 15.96 of PW,P & IWTD S R 2018-19)	**Sqm**							
	Ground Floor								
	Entrance Door		2	2.10	--	2.400	10.08		
							10.08		
						Say	10.10	924.48	9,337.25
37	KSRB 15-17.5 : Applying priming coat over **new wood surface** and / or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications.								
	(P.No 121, I No. 15.59 of PW,P & IWTD S R 2018-19)	**Sqm**							
	Ground Floor								
	Doors								
	D1	2	17	1.20	--	2.100	85.68		
	D2	2	2	1.00	--	2.100	8.40		
							94.08		
						Say	94.10	54.00	5,081.40
38	KSRB 15-17.6 : Providing and applying painting two coats **(excluding priming coat) on new wood surface and / or wood based surface** with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications								
	(P.No.121, I No. 15.60.1 of PW,P & IWTD S R 2018-19)	**Sqm**							
	All floors						94.10		
	Qty Same as Vide item no		1	94.10			94.10		
						Say	94.10	104.76	9,857.92
39	KSRB 15-18.1 : Applying **Red lead ready mix** priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.								
	(P.No 123, I No 15.73 of PW,P & IWTD S R 2018-19)	**Sqm**							
	From all Floors		1	2390.00			2390.00		
	Window Grills,		1	10.10			10.10		
	Collapsible shutters						2400.10		
						Say	2400.10	44.28	106,276.43
40	KSRB 15-18.2 : Providing and applying **enamel metal** paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.								
	(P.No 123, I No 15.74 of PW,P & IWTD S R 2018-19)								
	Same as vide quantity		1	2400.10			2400.10		
						Say	2400.10	102.60	246,250.26
	TOTAL AMOUNT OF PLASTERING & FINISHES								2,310,384.55
	FLOORING WORK								
41	KSRB 14.4 : Providing and laying **flooring and steps fine dressed granite stone slabs 40 mm thick** on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed, including cost of materials, mortar, labour, curing complete as per specifications. Specification No. KBS 14.26								
	(P.No.103, & I.No.14.4 of KPWD S.R 2018-19)	**Sqm**							
	Ground Floor								
	Enterance steps								
	Treads		2	8.05	--	0.375	6.04		
	Rise		3	8.05	--	0.150	3.62		
	Entrance Space		1	8.05	--	1.000	8.05		
							17.71		
						Say	17.80	3,503.62	62,364.46

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
42	Providing and fixing Special make glazed Vitrified tiles of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc., cost of materials, mortar, labour etc., complete as per specification								
	(P.No.109, & I.No.11.13 of KPWD S.R 2018-19)	Sqm							
	Ground Floor								
	Dormitory		4	10.50	6.00	--	252.00		
	Skirting		4	33.00	0.15	--	19.80		
	TV Room		1	10.50	6.00	--	63.00		
	Skirting		1	33.00	0.15	--	4.95		
	Library		1	10.50	6.00	--	63.00		
	Skirting		1	33.00	0.15	--	4.95		
	Reception		1	7.59	4.27	--	32.41		
	Office		1	2.52	3.12	--	7.83		
	Skirting		1	11.26	0.15	--	1.69		
	Office Passage		1	3.58	2.10	--	7.51		
	Skirting		1	9.25	0.15	--	1.39		
	Clinic		1	4.71	3.18	--	14.94		
	Clinic Passage		1	2.59	1.88	--	4.87		
	Skirting		1	7.06	0.15	--	1.06		
	Warden Room		1	4.71	3.18	--	14.94		
	Skirting		1	15.76	0.15	--	2.36		
	Warden Room Passage		1	2.59	1.85	--	4.79		
	Skirting		1	7.03	0.15	--	1.05		
	Wall Claddinig								
	Reception		1	23.72	--	1.500	35.58		
	Office Passage		1	11.35	--	1.500	17.03		
	Clinic		1	19.50	--	1.500	29.25		
	Dinning Hall		1	37.34	--	1.500	56.01		
	Serving counter		1	13.85	--	1.500	20.78		
	Kitchen		1	29.49	--	1.500	44.24		
	Storage		1	13.33	--	1.500	20.00		
	Utility		1	16.91	--	1.500	25.37		
	Corridor Wall up to 1.5mtr Lvl		1	110.00	--	1.500	165.00		
							915.78		
	Deductions								
	One Side Deductions								
	Entance Door	1	1	2.10	--	2.100	4.41		
	D1	1	10	1.20	--	1.500	18.00		
	D2	1	2	0.90	--	1.500	2.70		
	W	1	15	1.80	--	0.600	16.20		
	Two Side Deductions								
	D1	2	5	1.20	--	2.100	25.20		
	W	2	6	1.80	--	1.500	32.40		
	O1	2	2	2.10	--	2.100	17.64		
							116.55		
					Grand Total		799.23		
						Say	799.30	1186.92	948705.16
43	KSRB 14.10-1: Flooring with 25mm thick polished tandur blue stone slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Specification No. KBS								
	(P.No.105, & I.No.14.15 of KPWD S.R 2018-19)	Sqm							
	Ground Floor								
	Dinning Hall		1	12.00	6.67	--	80.04		
	Serving counter		1	3.85	3.08	--	11.84		
	Kitchen		1	8.85	5.90	--	52.19		
	Storage		1	2.82	3.85	--	10.84		
	Skirting		1	13.33	0.20	--	2.67		
	Utility		1	3.50	4.96	--	17.34		
							174.92		
						Say	175.00	1359.59	237927.38
44	Providing and fixing for flooring 20mm thick sadarhalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of including cost of all materials, mortar, labour, curing etc., complete as per specification.								
	(P.No.112 & 113, I.No.14.58 of KPWD S.R 2018-19)	Sqm							
	Ground Floor								
	Corridor Area		1	164.00	--	--	164.00		
						Say	164.00	2642.76	433412.64

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Sl No	Description of work	Unit	No	Dimensions L	Dimensions B	Dimensions D	Quantity	Rate in Rs.	Amount in Rs.
45	Providing and laying **Hassan Green granite** flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing, cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials, mortar, labour, curing etc., complete as per specification.								
	(P.No.110, & I.No.14.51 of KPWD S.R 2018-19)	Sqm							
	Ground Floor To Terrace Floor								
	Tread		23	1.20	--	0.300	8.28		
	Riser		24	1.20	--	0.150	4.32		
	Mid Landing Landing		2	1.20		1.200	2.88		
					Grand Total		15.48		
						Say	15.50	4812.48	74593.44
46	Providing and fixing of **wall cladding** using **20mm thick gang saw water cut Shiva gold granite,** grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete as per specification								
	(P.No.110, & I.No.14.49 of KPWD S.R 2018-19)	Sqm							
	Ground Floor								
	Entrance		1	8.05	--	3.150	25.36		
	Deduction								
	Entance Door		1	2.10	--	2.400	5.04		
	Windows		2	1.80	--	1.500	5.40		
							10.44		
					Grand Total		14.92		
						Say	15.00	3825.36	57380.40
47	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification								
	(P.No.111, & I.No.14.56 of KPWD S.R 2018-19)	M							
	Ground Floor								
	Enterance steps						16.10		
	Treads		2	8.05			8.05		
	Entrance Space		1	8.05			24.15		
						Say	24.20	194.40	4704.48
48	Providing **ceramic tiles** of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick cement mortor 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. **size 30x30cms**								
	(P.No.107 & 108, & I.No.14.36.2 of KPWD S.R 2018-19)	Sqm							
	Ground Floor		1	2.52	3.12	--	7.83		
	Office Toilet		1	2.00	1.77	--	3.54		
	Clinic Toilet		1	2.00	1.77	--	3.54		
	Wardem Room Toilet		1	2.00	1.50	--	3.00		
	Utility Toilet								
	Dormitory Toilet		8	2.00	1.50	--	24.00		
	Bath		4	8.80	--	--	35.20		
	Passage Area		16	1.20	1.50	--	28.80		
	WC						105.91		
						Say	106.00	1310.65	138928.64
49	KSRB 14-17.1 : Providing **skirting, dadoing, rises of steps with white glazed tiles** 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17								
	(P.No.108 , & I.No.14.40 of KPWD S.R 2018-19)	Sqm							
	Ground Floor		2	4.80	--	2.100	20.16		
	Office Toilet (WC)		1	8.63	--	2.100	18.12		
	Office Toilet Passage		1	7.54	--	2.100	15.83		
	Clinic Toilet		1	7.54	--	2.100	15.83		
	Wardem Room Toilet		1	7.00	--	2.100	14.70		
	Utility Toilet								
	Dormitory Toilets		8	7.00	--	2.100	117.60		
	Bath		12	5.40	--	2.100	136.08		
	WC		4	11.00	--	2.100	92.40		
	Corridor Portion		4	9.09	--	2.100	76.36		
	Wash Basin Area		1	8.05	--	2.100	16.91		
	Entrance						523.99		
	One Side Deduction		5	1.20	--	1.500	9.00		
	D1								
	Two Side Deduction		25	0.75	--	2.100	39.38		
	D3								

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No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
							45.36		
					Grand Total		1,530		
					Say		875.20	1,568.00	691,800.64
50	**WATER PROOFING WORK**	TOTAL AMOUNT OF FLOORING WORK							2,350,817.83
	Providing & applying **water proofing to roof slab, terraces, landscape area** position on using modified polyurethane resin free from chloro and other particle heavy usage. **Standards & Methodology** The compound has a resilient concrete grade with 300% of elongation and shall be done either by roller application, brush application or spray. This will be applied for a thickness of 1.5mm (two layer @ 500ml/sqm). After applying the 2nd layer sand sprinkle shall be done to provide mechanical key. (PWD SR 2018-19 Page No. 274 It No 38.5)								
	Terrace Floor	Sqm							
	Terrace Area								
	Deduction		1	11.28 (A)			11.28 (A)		
	Garden								
			1	14.36	8.36		110.88		
					Grand Total		101.15		
					Say		101.20	678.00	686,616.00
	JOINERY WORK	TOTAL AMOUNT OF WATER PROOFING WORK							686,616.00
51	Providing **TEAK WOOD frames** of doors, windows, clerestory windows, and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications (PWD SR 2018-19 Page No. 83 It No 9.10)								
	Ground Floor	Cum							
	Entrance Door		1	0.80	0.100	0.180	0.14		
						Say	0.15	172,888.86	25,933.28
52	Providing **Honne Wood frames of doors,** windows, clerestory windows, and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications (PWD SR 2018-19 Page No. 83 It No 9.11)	Cum							
	Ground Floor								
	Doors								
	D1		17	8.10	0.128	0.078	0.81		
	D2		2	0.40	0.128	0.078	0.13		
							0.93		
						Say	0.94	94,612.32	88,935.68
53	KSRB 9.5.1 Providing and fixing to position fully panelled Teak wood shutters for doors, with styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications (excluding cost of fixtures) Specification No. KRB 9.34								
	(PWD SR 2018-19 Page No. 53 It No 9.14)	Sqm							
	Ground Floor								
	Entrance Door		1	2.10		2.400	5.04		
							5.04		
						Say	5.10	7,713.36	39,338.14
54	Providing and fixing flush door shutter made out of solid core black board type, well seasoned chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame all round door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door using liquid phenol formaldehyde resin as per IS specification 2202 (Part-I) 1991 Decon manufacturer (Faction) complete as per specification								
	(PWD SR 2018-19 Page No.64 & 65 It.No 9.106.2)	Sqm							
	30mm thick one side teak and one side commercial								
	Ground Floor								
	Doors								
	D1		17	1.20		2.100	42.84		
	D2		2	1.00		2.100	4.20		
							47.04		
						Say	47.10	3,408.48	160,559.41
55	Providing & Fixing of **3-Track x 2 panel sliding windows made out of multi chambered** UPVC (Matching to IS/ISO 10456) Sections and cuh minimum TiO (Titanium Dioxide) at 6PHR with TPV (Thermo Plastic Vulcanized) and lead free, gaskets grey colour having isolated dramage and reinforced with galvanized iron profile through out the window frame the outer frame having a over all size of 108 mm width X 45 mm height with reinforcement of 1mm thk & sash with over all size of 30mm x 75mm with GI Reinforcement of 3mm & mesh sash of size 30mm x 48.5 mm Glazing bead for fixing of glasses shall be of size 20mm x 24mm. Windows shall be provided with 5mm Plane float glass, Standered hardware & single point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size 2419mm X 2119mm.								
	(PWD SR 2018-19 Page No. 369 & 370 It No 38.41.7)	Sqm							

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Sl No	Description of work	Unit	No	Dimensions L	Dimensions B	Dimensions D	Quantity	Rate in Rs.	Amount in Rs.
	Ground Floor								
	Windows								
	W								
	V1		44	1.80	--	1.500	118.80		
			30	0.75	--	0.600	13.50		
							132.30		
						Say	**132.30**	**5,637.60**	**745,854.48**
56	Providing and fixing **65mmx90mm GRP Doorframe** fabricatedusing E-Glass Chopped Strand Mat (CSM). U.V-stabilizedIsopthalic Gelcoat and Isopthalic resin. The thickness of the GRPskin shall not be less than 2.0 mm. The doorframe consists of foursegmens, which are providedwithplug-in-socket arrangementin-situ in the mould. The segments are plugged in and are jonedtogether by means of screws. The GRP frame shall be providedwith wooden reinforcement of 6 locations fro high screw holdingcapacity for fixing metallic hold fast and shall be consolidated byfilling with medium density foam/Plaster with fibre reinforcement.Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat holdfast shall be provided with the frame.								
	(PWD SR 2016-17 Page No. 60 It.No 9.95)	**MTR**							
	Ground Floor								
	D3		25	4.95	--	--	123.75		
							123.75		
						Say	**123.80**	**486.00**	**60,166.80**
57	Providing and fixing factory made **single leaft rigid GRP Sandwich composite door shutter** of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and on layer of 45 gsm E-Glass Chopped strand Mat (CSM), impregnated with orthopthalic polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc, shall be provided A structural								
	(PWD SR 2016-17 Page No. 60 It.No 9.95)	**Sqm**							
	Ground Floor								
	D3		25	0.75	--	2.100	39.38		
							39.38		
						Say	**39.40**	**3,240.00**	**127,656.00**
58	Providing and fixing **M.S.grill work for windows and ventilators** using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12								
	(P.No.34 I.No.7.9 of PW,P & IWTD S.R 2018-19)	**Kgs**							
	Same as window qty - 18 Kg / Sqmt		1	132.30	--	18.000	2381.40		
						Say	2390.00	**102.60**	**245,214.00**
59	KSRB 7.1 : Providing and fixing in position **collapsible steel shutters** with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 7.7 / 7.12								
	(P.No.33, I.No.7.1 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Ground Floor								
	For Entrance		2	2.10	--	2.400	10.08		
							10.08		
						Say	**10.10**	**5,626.80**	**56,830.68**
60	Providing and fixing Stainless steel 304 Grade for staircase railing, Balconys Ramps with hand rails 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges etc., complete as per specification								
	(P.No.45 I.No.7.38 of PW,P & IWTD S.R 2018-19)								
	Ground Floor								
	For Staircase		1	8.00	--	1.10	8.80		
							8.80		
						Say	**8.80**	**6,502.68**	**57,223.58**
61	KSRB 9-27.1 : **Fixing of door frame** in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.								
	(P.No.60, I.No.9.80 of PW,P & IWTD S.R 2018-19)	**Nos**							
	For Ground Floor		20	--	--	--	20.00	**1,475.28**	**29,505.60**
	TOTAL AMOUNT OF JOINERY WORK								**1,637,197.55**
	ABSTRACT								
2	TOTAL AMOUNT FOR EARTH WORK								**360,238.80**
3	TOTAL AMOUNT FOR PCC & RCC WORK								**15,310,441.21**

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SS No	Description of work	Unit	No.	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
4					6,295,207.39				
5					5,203,789.42				
6					3,788,887.35				
7					5,210,304.19				
8					2,859,817.53				
9					986,630.00				
10					1,637,207.32				
	TOTAL AMOUNT				33,084,674.29				
	ADD GST 12%				3,970,160.91				
	TOTAL AMOUNT FOR OLD AGE HOMES				37,054,835.20				

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